

12/12/01

**SUBJ: VALID VOR REFERENCE GROUND CHECK ERROR CURVE**

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- 1. PURPOSE.** This order alerts System Management Office (SMO) personnel and Technical Inspection evaluators to pay particular attention to the validity of the very high frequency omnirange (VOR) reference ground check error curves. These documents are required at each VOR facility and associated remote monitoring control facility (RMC-F) locations where quarterly periodic maintenance is performed.
- 2. DISTRIBUTION.** This order is distributed to the section level of the Airway Facilities Division and all System Support Centers (SSC) responsible for maintaining VOR equipment in the Southwest Region.
- 3. CANCELLATION.** This order cancels Order SW 6820.3, Valid VOR Reference Ground Check Error Curve dated 6/15/94.
- 4. EXPLANATION OF CHANGES.** This revision updates references made to other orders that are either outdated or cancelled. It also updates organizational references. It also adds a Southwest Region form SW Form 6820-001 (12/01) to be used as the official VOR reference ground check error curve as Appendix 1 to this order.
- 5. BACKGROUND.** It has been discovered that several VOR facilities have not kept complete and accurate records and/or taken appropriate action to properly maintain a valid reference ground check error curve in accordance with the current revision of Order 6820.7, Paragraph 8, Page 3, Maintenance of Navigational Aids Facilities And Equipment - VOR, VOR/DME, VORTAC.
- 6. ACTION.**
  - a. SMO Personnel.
    - (1) The Airway Facilities SMO Manager and/or designated supervisors will ensure compliance with the provisions contained in the current revision of Order 6820.7, Paragraph 8, Page 3, and those contained in this order.
    - (2) The VOR facility certifying specialist will:
      - (a) Make a comparison between the current and latest facility reference ground check whenever ground check(s) are performed.
      - (b) Take appropriate action whenever a VOR reference ground check discrepancy occurs.
      - (c) Establish a new reference ground check error curve in accordance with Order 6820.7, Paragraph 8, whenever required (utilizing the attached SW Form 6820-001 form dated 12/01).

(3) The first level supervisor will ensure that the quarterly task required in paragraph 146a (4) is completed and conforms to standards and tolerances in paragraph 90f by the certifying specialist.

b. VOR Facility Technical Evaluator.

(1) Evaluators will verify that each VOR facility has a valid reference ground check error curve on file at the facility and at the remote location where quarterly periodic maintenance is performed.

(2) Evaluators will determine that a new reference ground check error curve was established whenever required by Order 6820.7B.

(3) Evaluators will verify that personnel are knowledgeable of the procedures relative to ground checks and that appropriate actions have been taken whenever required.

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